APPENDIX I

AMENDED CLAIMS WITH AMENDMENTS INDICATED THEREIN BY BRACKETS AND UNDERLINING

1. (Amended) A sensor system [having a sensor and a controller for controlling supply of electrical power to said sensor means, accepting output from said sensor, and performing desired processing, said sensor system] comprising:

a sensor having a sensor power input and an output for supplying a sensor output;

[said] a controller including:

a power-supply switch for switching on or off [the] a supply of electrical power to said sensor power input; and

a control circuit for receiving and processing said sensor output and for turning off said power-supply switch [in response to acceptance of] when said control circuit accepts the sensor output from said sensor.

2. (Amended) The sensor system of claim 1, wherein said sensor is a distance measurement sensor [having] including a light projection means, a driver circuit for supplying an emission signal to said light projection means, and a light-receiving means for receiving light arising from light projected from said light projection means, and wherein said controller starts acceptance of the sensor output from said sensor according to said emission signal.

3. (Amended) The sensor system of claim 2, wherein:

[(A)]said sensor includes an open collector type output terminal as said ouput for producing said sensor output,

[(B)]said controller further includes a series combination of a resistor and a switching means,

[(C)]said series combination is connected between said output terminal and a power supply,[

(D)] and a voltage developed at a terminal between said [resistor] series combination and said output terminal is accepted as the sensor output from said sensor, and

[(E)]said control circuit turns on or off said switching means [according to] based on operation of said emission signal.

4. (Amended) The sensor system of any one of claims 1 to 3, wherein said controller enters a standby state of low power consumption in response to [the] an end of said [desired] processing of said sensor output.